

I. AMENDMENT

Please amend the claims as indicated below:

1-9. (Canceled)

10. (Currently amended) An isolated nucleic acid sequence comprising a polynucleotide selected from the group consisting of: a) an isolated polynucleotide encoding a polypeptide of SEQ ID NO: 5; b) an isolated polynucleotide comprising the nucleic acid sequence of SEQ ID NO: 4; c) an isolated polynucleotide having at least 80% sequence identity with the nucleic acid sequence of SEQ ID NO: 4; d) an isolated polynucleotide having at least 90% sequence identity with the nucleic acid sequence of SEQ ID NO: 4; e) an isolated polynucleotide having at least 95% sequence identity with the nucleic acid sequence of SEQ ID NO: 4; f) an isolated polynucleotide complementary to a polynucleotide of (a), (b), (c), (d), ~~and~~ or (e); and g) an isolated polynucleotide that hybridizes under ~~stringent~~ conditions of 5X SSC, 50% formamide and 42° C to the nucleic acid sequence of SEQ ID NO: 4 and encodes a plant lecithin:cholesterol acyltransferase-like polypeptide wherein the isolated nucleic acid sequence is operably linked to a heterologous regulatory sequence functional in plants.

11-21. (Canceled)

22. (Currently amended) A recombinant nucleic acid construct comprising a heterologous regulatory sequence operably linked to the polynucleotide of claim 10 further comprising a termination sequence encoding an *Arabidopsis* lecithin:cholesterol acyltransferase-like polypeptide.

23-27. (Canceled)

28. (Original) The recombinant construct of claim 22, wherein said regulatory sequence is functional in a plant cell.

29-31. (Canceled)

32. (Previously presented) The recombinant construct of claim 22 wherein said polynucleotide comprises SEQ ID NO: 4.

33. (Canceled)
34. (Original) The recombinant construct of claim 22, wherein said regulatory sequence comprises a constitutive promoter.
35. (Canceled)
36. (Original) The recombinant construct of claim 22, wherein said regulatory sequence comprises an inducible promoter.
37. (Canceled)
38. (Original) The recombinant construct of claim 22, wherein said regulatory sequence is selected from the group consisting of a tissue specific promoter, a developmentally regulated promoter, an organelle specific promoter, and a seed specific promoter.
39. (Canceled)
40. (Previously presented) A host cell containing the recombinant construct of claim 22.
41. (Previously presented) The host cell of claim 40, wherein said host cell is selected from the group consisting of plant cells and bacteriophage.
42. (Original) The host cell of claim 40, wherein said host cell is a plant cell.
43. (Currently amended) The host cell of claim 40, wherein said host cell expresses a ~~lecithin:cholesterol acyltransferase-like~~ polypeptide encoded by the recombinant construct of claim 22.
44. (Canceled)
45. (Original) A plant comprising at least one host cell of claim 40.
46. (Currently amended) ~~The~~ A progeny plant of ~~the~~ a plant of claim 45, wherein the progeny contains the recombinant construct of claim 22.

47. (Previously presented) A seed from the plant of claim 45, wherein the seed contains the recombinant construct of claim 22.

48. (Previously presented) A plant comprising the recombinant construct of claim 22.

49. (Previously presented) The progeny of a plant of claim 48, wherein the progeny contain the recombinant construct of claim 22.

50. (Previously presented) A seed from the plant of claim 48, wherein the seed contains the recombinant construct of claim 22.

51-106.(Canceled)

107. (Currently amended) A plant comprising a recombinant construct containing a heterologous regulatory sequence operably linked to a polynucleotide ~~encoding an Arabidopsis lecithin:cholesterol acyltransferase-like polypeptide~~ selected from the group consisting of: a) an isolated polynucleotide encoding a polypeptide of SEQ ID NO: 5 b) SEQ ID NO: 4; c) an isolated polynucleotide having at least 80% sequence identity with SEQ ID NO: 4; d) an isolated polynucleotide having at least 90% sequence identity with SEQ ID NO: 4; e) an isolated polynucleotide having at least 95% sequence identity with SEQ ID NO: 4; f) an isolated polynucleotide complementary to a polynucleotide of (a), (b), (c), (d), or (e); and g) an isolated polynucleotide that hybridizes under conditions of 5X SSC, 50% formamide and 42° C to SEQ ID NO: 4, wherein expression of said recombinant construct results in an altered production of oil by said plant as compared to the same plant without said recombinant construct.

108-110. (Canceled)

111. (Original) The plant of claim 107, wherein said oil production is increased.

112. (Canceled)

113. (Currently amended) The plant of claim 107, wherein said polynucleotide ~~encoding a lecithin:cholesterol acyltransferase-like polypeptide~~ comprises SEQ ID NO: 4.

114. (Canceled)

115. (Original) The plant of claim 107, wherein said regulatory sequence is a tissue specific promoter.

116. (Canceled)

117. (Original) The plant of claim 107, wherein said regulatory sequence is a seed specific promoter.

118-120. (Canceled)

Please add claims 121-125 as follows:

121. (New) The isolated nucleic acid of claim 10, wherein the nucleic acid sequence comprises the nucleic acid sequence of SEQ ID NO:4.

122. (New) The isolated nucleic acid of claim 10, wherein the nucleic acid sequence encodes the polypeptide sequence of SEQ ID NO: 5.

123. (New) The isolated nucleic acid of claim 10, wherein the nucleic acid has at least 95% sequence identity with SEQ ID NO: 4.

124. (New) The isolated nucleic acid of claim 10, wherein the nucleic acid has at least 80% sequence identity with SEQ ID NO: 4.

125. (New) The isolated nucleic acid of claim 10, wherein the nucleic acid hybridizes under conditions of 5X SSC, 50% formamide and 42° C to the nucleic acid sequence of SEQ ID NO: 4.